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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

EVANS, KIMBERLY L.

ART UNIT

PAPER NUMBER

3629

NOTIFICATION DATE

DELIVERY MODE

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ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/032,849	Applicant(s) VISWANATH ET AL.	
	Examiner KIMBERLY EVANS	Art Unit 3629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ____ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) ____ is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____. |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Response to Amendments

1. This action is in reply to the response received on November 20, 2009.
2. Claims 1-22 are currently pending and have been examined.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.
4. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:
 - a) Determining the scope and contents of the prior art.
 - b) Ascertaining the differences between the prior art and the claims at issue.
 - c) Resolving the level of ordinary skill in the pertinent art.
 - d) Considering objective evidence present in the application indicating obviousness or nonobviousness.

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5. Claims 1-22 are rejected under 35 USC 103(a) as being unpatentable over Mui et. al, US Patent Application Publication No US 2003/02295929 in view of Eglin US Patent Application Publication No US 2003/0084120 A1. in further view of Smith et al., US Patent Application Publication No US 2003/0167355 A1.
6. With respect to Claims 1, 8, and 15,
- Mui discloses the following limitations:
- *displaying, by a client computer, a first page in a high order presentation language, (see at least Paragraph 76: "...Information Distributor Server 521 is applicants' query and delivery mechanism. Based on XML and RDF metadata standards, it defines a high-level query language and a set of agents for implementing information services. .."; Figure 4, paragraph 976: "...Information Distributor 1201 can keep a development manager informed about the status of the other development groups in his division. As part of his custom home page provided by the corporate portal, he can view a list of the most recent updates submitted by each development manager, and call up each report in his web browser...."; Figure 17, paragraph 1206: "...Each of the servers has included a JAVA Virtual Machine.TM. and the related runtime support....")*
 - *receiving, by the client computer, input indicating an action to be implemented on the first page (see at least paragraph FIG. 11 shows a structural overview of an IDK 1100 of the present invention. IDK 1100 is associated with a language 1102, such as RDF, for representing web metadata, a language for querying web metadata, and a set of APIs 1104 for defining information services based on what data is used, when and how a match is performed, and what is done with the results.."; Figure 13, paragraph 987: "...Delivery Agents 1304 dispatch the results of a query or match. In an embodiment, Delivery Agents 1304 integrate with a variety of delivery mechanisms, from web page generation and XML datagrams to email and event messaging systems...")*

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- *in response to said receiving: generating, by the respective one of the plurality of providers, a second page in a high order presentation language; providing by the respective one of the plurality of providers, the second page to the client computer for display; (see at least Figure 8C, paragraph 21: "...FIG. 8C shows a process flow diagram illustrating the page development process....."; paragraph 533: "...The Web Content Server 800 provides a "page engine" 808 which allows users (such as developers, consultants and customers) to build web content using a separation between Model, Widget, and View instructions. The engine 808 separates data production, interaction elements and display information, and maintains these aspect of page production in different files...")*
 - *wherein said generating comprises: calling a helper class method corresponding to said action (paragraph 327: "...The BDK provides a SabaSessionBean base class that defines common session bean manager functionality, and a framework for several categories of "helper classes"--additional interfaces used in conjunction with specific session bean managers: ..."; paragraph 493: "...The BDK 519 provides a Java-based API for managing security. As described in the BDK section, this API uses an EJB-style session manager named "SabaSessionManager" and a set of helper..")*
 - *and a corresponding render method in response to said calling a helper class method, said helper class method performing said action (see a tleast paragraph 533: "...Web Content Server 800 can also provide the platform's web content generation engine for use by users to create, render, and present web content while improving the dynamic acquisition of data from a variety of sources followed by its reformatting and display via style sheets...")*
- *in response to said calling a corresponding render method and dependent on the performance of said action, said render method performing: populating a name value pair with corresponding data (see at least paragraph 778: "...List of Widgets Defined in the wdk*

- Widget Library: "...paragraph 781: "...wdk:input: Represents a single line text element. Can render the widget as a PASSWORD or TEXT HTML form field....")
- *applying said name value pair populated with said data to a vehicle for displaying dynamic content on pages in a high order presentation language (see at least paragraph 535: "...The engine 808 supports three components: (a) Widgets, which are reusable interactive components such as buttons and data entry fields; (b) Models, which encompass the data and user operations used by the application (Data can be simple Strings or complex objects); and (c) Views, which use style sheets to define and control the presentation of output to the user. ..."; paragraphs 782-786: "...wdk:list: Represents a widget for selecting an item from a set of predefined items. Supports four different HTML renderings: Dropdown list List box Checkbox set Radiobutton set*
 - *and drafting said second page. (see at least paragraph 534: "...The Web Content Server 800 provides a " page engine" 808 which allows users (such as developers, consultants and customers) to build web content using a separation between Model, Widget, and View instructions. The engine 808 separates data production, interaction elements and display information, and maintains these aspect of page production in different files...."; paragraph 793: "...Model pages are responsible for producing an XML representation of the content of the page..")*
 - *wherein at least one of said helper class method and said render method is re-usable in performing a subsequent action on a page (see at least paragraph 535: "...The engine 808 supports three components: (a) Widgets, which are reusable interactive components such as buttons and data entry fields; (b) Models, which encompass the data and user operations used by the application (Data can be simple Strings or complex objects); and (c) Views, which use style sheets to define and control the presentation of output to the user.. ...")*
 - *a client computer and a server computer on which a plurality of providers of server-side processing are deployed; (see at least paragraph 216: "...In FIG. 4, the Platform contains*

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an Interface Server 417, an Information Server 419, an Interconnect Server 423 and a Business Server 421. All of these Servers 417, 419, 421 and 423 may physically reside on the same hardware platform (such as a UNIX box or a Microsoft.TM. NT.TM. platform), or each server may reside on a separate hardware box, or any combination of servers and hardware boxes. Each of the servers may have included a JAVA Virtual Machine.TM. and the related runtime support... The Interface Server 417, also may communicate to a directly connected client 407 via other protocols such as XSL/XSLT etc., and may communicate to Personal Data Assistants 411 such as cell phones or Palm Pilots.TM. or other such wireless devices using wireless protocols such as WAP/WML, etc. ...")

Mui discloses all of the above limitations. Mui does not distinctly disclose the following limitations, but Egli, US Patent Application Publication No US 2003/0084120 A1

- wherein each of the plurality of forms is mapped to a respective one of a plurality of providers of server-side processing deployed upon a server computer;* (see at least paragraph 35: "...A JVM--a machine within a machine--mimics a real Java processor, enabling Java bytecode to be executed as actions or operating system calls on any processor regardless of the operating system. For example, establishing a socket connection from a workstation to a remote machine involves an operating system call. Since different operating systems handle sockets in different ways, the JVM translates the programming code so that two machines that may be on different platforms are able to connect. JSP: JSP is the acronym for JavaServer Pages, which is a server-side technology....; paragraph 79: "...This entry (mapped via 455) identifies the name of the custom JSP tag used by a servlet to invoke the corresponding extended tag action subclass...; claim 8: "...wherein said application flow includes routing to a different page than is currently displayed in a user's browser...")

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Mui discloses a Java API involving helper class scripts to render required HTML web pages based on user inquiry. It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the method for enterprise workforce planning of Mui with software framework for web-based applications of Egli because it is an efficient way to for an operating system to call on any processor regardless of the operating system, hence allowing two machines on different platforms able to connect and process forms once it is submitted via Java servlets.

Smith as shown discloses,

- *wherein the first page is associated with an electronic form and comprises an encoding of said form, wherein said form is one of a plurality of electronic forms associated with respective pages* (see at least paragraph 48: "...A UI namespace 312 ("System.Web.UI") containing types that allow developers to create controls and pages that will appear in Web applications as user interfaces on a Web page. This namespace includes the control class, which provides all web based controls, whether those encapsulating HTML elements, higher level Web controls, or even custom User controls, with a common set of functionality. Also provided are classes which provide the web forms server controls data binding functionality, the ability to save the view state of a given control or page, as well as parsing functionality for both programmable and literal controls. Within the UI namespace 312 are two additional namespaces: an HTML controls namespace 314 ("System.Web.UI.HtmlControls") containing classes that permit developers to interact with types that encapsulates html 3.2 elements create HTML controls, and a Web controls namespace 316 ("System.Web.UI.WebControls") containing classes that allow developers to create higher level Web controls.. ...; paragraph 1617: "...Clients encode files and transmit them in the content body using multipart MIME format with an HTTP Content-Type header of multipart /form-data....")

Mui discloses a Java API involving helper class scripts to render required HTML web pages based on user inquiry. It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the method for enterprise workforce planning of Mui and the software

framework for web-based applications of Egli with the API of Smith because the UI name space is an efficient tool for allowing developers to create controls and pages that will appear in Web applications as user interfaces on a web page.

7. With respect to Claims 2, 7, 9,14, 17, and 22,

Mui , Egli and Smith disclose all of the above limitations, Mui further discloses,

- *said high order presentation language comprises HyperText Markup Language (HTML).* (see at least paragraph 70: "...WDK (Web Development Kit) server 523 is Saba's web content generation engine. Using web standards for XML and XSL, it provides a customizable framework for decoupling data from presentation, and generating web content in a variety of formats, from standard HTML to WML...")
- *said vehicle for displaying dynamic content on pages in a high order presentation language comprises a Java Server Page (JSP)* (see at least paragraph 342: "...the Business Server embodies a development kit framework which provides a set of interfaces and classes in the form of Java packages, identifies certain services that developers can rely on, and defines an application development model. The framework relies extensively on the server-side component model espoused by Java, namely Enterprise JavaBeans (EJB) components. Selection of EJBs as the server-side component model is driven in part by the requirements of reliance on open standards and backward compatibility. Using EJBs also enables integration with other Java 2 Enterprise Edition (J2EE) technologies such as Java ServerPages (JSP) and servlets that one would intend to use for web applications development...")

8. With respect to Claims 3, 10, and 18,

Mui , Egli and Smith disclose all of the above limitations, Mui further discloses,

- *wherein said first page, said second page, and said pages comprise HTML pages.* (see at least paragraph paragraph 405: "...An application would typically also include UI components

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(such as JSP pages or servlets) which would use such business components...; paragraph 545: "...The platform 808 allows content, logic and style to be separated out into different XML files, and uses XSL transformation capabilities to merge them resulting in the automatic creation of HTML through the processing of statically or dynamically generated XML files..."). It is old and well known in the art of web design that web applications most often report command results by serving an HTML page that may be dynamically generated.

9. With respect to Claims 4, 11, and 19,

Mui , Egli and Smith disclose all of the above limitations, Egli further discloses,

- *each of said plurality of providers of server-side processing comprises a servlet* (see at least paragraph 27: "...A more efficient solution, but one that it is also more difficult to implement, is to use the server's API, such as ISAPI or NSAPI. Another increasingly popular solution is to use Java servlets..)

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the method for enterprise workforce planning of Mui and the software framework for web-based applications of Egli with the network portal system and methods of Hutsch because it is an efficient means for allowing the universal and integral use of different services by arbitrary client systems.

10. With respect to Claims 5, 12, and 20,

Mui , Egli and Smith disclose all of the above limitations, Mui further discloses,

- *said form comprises a business form* (see at least paragraph 1012: "...The format has a web-centric design, employing URLs to describe any form of web resource and XML to serialize its data graphs and is seeing slow but steady adoption in a variety of domains, from electronic documents and on-line learning to news stories and business cards...")

11. With respect to Claims 6, 13, and 21,

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Mui , Egli and Smith disclose all of the above limitations, Mui further discloses,

- *said business form comprises a modality for performing an electronic commerce 'transaction'* (see at least paragraph 1010: "...the final system and method of the present invention may be capable of scaling to handle enterprise-wide document databases..."; paragraph 1011: "...The IDK provides a flexible mechanism for describing and comparing a wide variety of resources. The actual data being compared may vary widely among applications, ranging from competencies and skills for gap analysis to document summaries and reviews for web content...")

12. With respect to Claim 16,

Mui , Egli and Smith disclose all of the above limitations, Mui further discloses,

- *said system is an electronic commerce system* (see at paragraph 7: "...The automated system of the present invention uses a business systems platform comprised of several unique servers to efficiently manage multiple applications which are themselves generally distributed across a network, and to control the execution of the required tasks with minimum use of redundant data input to the several applications, thereby minimizing the use of hardware resources and user input effort...")

Response to Arguments

13. Applicant's arguments with respect to independent claim 1 have been considered but are moot in view of the new ground(s) of rejection. The new grounds of rejection are necessitated by Applicant's amendments to claim 1.

Conclusion

14. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office Action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37CFR 1.136(a).
15. A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.
16. Any inquiry of a general nature or relating to the status of this application or concerning this communication or earlier communications from the Examiner should be directed to **Kimberly L. Evans** whose telephone number is **571.270.3929**. The Examiner can normally be reached on Monday-Friday, 9:30am-5:00pm. If attempts to reach the examiner by telephone are unsuccessful, the Examiner's supervisor, **Jami Plucinski** can be reached at **571.272.6811**.
17. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system,

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see <http://portal.uspto.gov/external/portal/pair> <<http://pair-direct.uspto.gov>>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at **866.217.9197** (toll-free). Any response to this action should be mailed to: **Commissioner of Patents and Trademarks**, P.O. Box 1450, Alexandria, VA 22313-1450 or faxed to **571-273-8300**. Hand delivered responses should be brought to the **United States Patent and Trademark Office Customer Service Window**: Randolph Building 401 Dulany Street, Alexandria, VA 22314.

/KIMBERLY EVANS/

Examiner, Art Unit 3629

/Jamisue A. Plucinski/

Supervisory Patent Examiner, Art Unit 3629